



## **NOAA in Your Backyard – The Southeast Region**

*Educational Opportunities and Education/Outreach Specialists for GA, NC, SC, and Eastern FL*

### **NOAA in Your State – State by State Listings of NOAA Facilities and Programs**

*\* A summary of NOAA facilities, staff, programs, or activities based in, or focused on, your state or territory.*

- <http://www.legislative.noaa.gov/NIYS/>

### **NOAA in the Carolinas – NOAA Data, News, and Current Research in North and South Carolina**

- <http://www.carolinas.noaa.gov/>

### **National Weather Service – School Visits, Forecast Office Tours, Student and Educator Resources**

*\* The National Weather Service provides weather, hydrologic, and climate forecasts and warnings for the United States, its territories, adjacent waters and ocean areas.*

- **Jacksonville Weather Forecast Office (Jacksonville, FL)** – [http://www.srh.noaa.gov/jax/?n=about\\_our\\_office](http://www.srh.noaa.gov/jax/?n=about_our_office)  
Contact: Angela Enyedi (Meteorologist) – [angela.enyedi@noaa.gov](mailto:angela.enyedi@noaa.gov)
- **Miami – South Florida Weather Forecast Office (Miami, FL)** – <http://www.srh.noaa.gov/mfl/>  
Contact: Robert Molleda (Warning Coordination Meteorologist) – [robert.molleda@noaa.gov](mailto:robert.molleda@noaa.gov)
- **Peachtree Weather Forecast Office (Peachtree, GA)** – <http://www.srh.noaa.gov/ffc/?n=outreach>  
Contact: Patricia Atwell (Meteorologist) – [patricia.atwell@noaa.gov](mailto:patricia.atwell@noaa.gov)
- **Raleigh Weather Forecast Office (Raleigh, NC)** – <http://www.erh.noaa.gov/rah/tours/>  
Contact: Nick Petro (Warning Coordination Meteorologist) – [nicholas.petro@noaa.gov](mailto:nicholas.petro@noaa.gov)
- **Wilmington Weather Forecast Office (Wilmington, NC)** – <http://www.weather.gov/ilm/EducationandOutreach>  
Contact: Steven Pfaff (Warning Coordination Meteorologist) – [steven.pfaff@noaa.gov](mailto:steven.pfaff@noaa.gov)
- **Columbia Weather Forecast Office (West Columbia, SC)** – <http://www.erh.noaa.gov/cae/outreach.htm>  
Contact: Steve Naglic (Warning Coordination Meteorologist) – [steven.naglic@noaa.gov](mailto:steven.naglic@noaa.gov) or [caewx@noaa.gov](mailto:caewx@noaa.gov)

### **National Estuarine Research Reserve System – Field Trips, Professional Development, Educator Resources**

*\* The National Estuarine Research Reserves System protects more than 1.3 million coastal and estuarine acres in 28 reserves located in 22 states and Puerto Rico for purposes of long-term research, environmental monitoring, education and stewardship.*

- **National Website** – [www.nerrs.noaa.gov](http://www.nerrs.noaa.gov) and [www.estuaries.noaa.gov](http://www.estuaries.noaa.gov)
- **Guana Tolomato Matanzas Reserve (FL)** – <http://gtmnerr.org/Education.php>  
Contact: Kenneth Rainer (Education Coordinator) – [Kenneth.Rainer@dep.state.fl.us](mailto:Kenneth.Rainer@dep.state.fl.us)
- **Sapelo Island Reserve (GA)** – <http://www.sapelonerr.org/education-training/>  
Contact: Adam Mackinnon (Education Coordinator) – [Adam.Mackinnon@dnr.state.ga.us](mailto:Adam.Mackinnon@dnr.state.ga.us)
- **North Carolina Reserve System (NC)** – <http://www.nccoastalreserve.net/web/crp/education1>  
*\* A collaboration of 10 different federal and state reserves along the North Carolina coast*  
Contact: Lori Davis (Education Coordinator) – [lori.c.davis@ncmail.net](mailto:lori.c.davis@ncmail.net)
- **ACE Basin Reserve (SC)** – <http://www.dnr.sc.gov/marine/NERR/education.html>  
Contact: Julie Binz (Education Coordinator) – [BinzJ@dnr.sc.gov](mailto:BinzJ@dnr.sc.gov)
- **North Inlet-Winyah Bay Reserve (SC)** – <http://www.northinlet.sc.edu/education/index.html>  
Contact: Beth Thomas (Education Coordinator) – [beth@belle.baruch.sc.edu](mailto:beth@belle.baruch.sc.edu)



## **NOAA National Marine Sanctuaries – Field Trips, Professional Development, Educator Resources**

*\*NOAA's 15 National Marine Sanctuaries serve as the trustee for the nation's system of marine protected areas, to conserve, protect, and enhance their biodiversity, ecological integrity and cultural legacy.*

- National Website – <http://sanctuaries.noaa.gov/education/welcome.html>
- **Gray's Reef National Marine Sanctuary (GA)** – <http://graysreef.noaa.gov/education/welcome.html>  
Contact: Amy Rath (Education Specialist) – [amy.rath@noaa.gov](mailto:amy.rath@noaa.gov)
- **Monitor National Marine Sanctuary (NC and VA)** – <http://monitor.noaa.gov/education/welcome.html>  
Contact: Shannon Ricles (Education and Outreach Coordinator) – [shannon.ricles@noaa.gov](mailto:shannon.ricles@noaa.gov)

## **NOAA Fisheries in the Southeast – Student Opportunities, Laboratory Facilities, NOAA Scientists**

*\* The NOAA Fisheries Service is dedicated to the stewardship of living marine resources through science-based conservation and management, and the promotion of healthy ecosystems. They have regional offices and several smaller field offices.*

- **National Website** – [www.nmfs.noaa.gov/stories/2012/10/noaa\\_fisheries\\_education.html](http://www.nmfs.noaa.gov/stories/2012/10/noaa_fisheries_education.html)
- **Southeast Fisheries Science Centers (Miami, FL):** <http://www.sefsc.noaa.gov/education/>  
Contact: Michelle Duncan (Fishery Biologist/Education Outreach Coordinator, Panama City, FL) – [michelle.duncan@noaa.gov](mailto:michelle.duncan@noaa.gov) and Jennifer Schull (Fishery Biologist, Miami, FL) – [jennifer.schull@noaa.gov](mailto:jennifer.schull@noaa.gov)  
**Southeast Regional Office (St. Petersburg, FL):** [http://sero.nmfs.noaa.gov/outreach\\_education/index.html](http://sero.nmfs.noaa.gov/outreach_education/index.html)  
Contacts: Amy Clark (Education Coordinator – Stennis Space Center, MS) – [amy.clark@noaa.gov](mailto:amy.clark@noaa.gov) and Cheryl Munday (Marine Mammal Outreach Specialist, St. Petersburg, FL) – [cheryl.munday@noaa.gov](mailto:cheryl.munday@noaa.gov)  
**Field Offices:** Charleston, SC; Beaufort, NC; St. Augustine, FL; Fernandina Beach, FL; West Palm Beach, FL; and Fort Lauderdale, FL

## **Integrated Ocean Observing System (IOOS) – Curriculum, Real World Data, and Multimedia**

*\* The Southeast Coastal Ocean Observing Regional Association coordinates coastal and ocean observing activities and creates data products for the Southeast United States to inform decision makers and the general public.*

- **National Website** – [www.ioos.noaa.gov/education/welcome.html](http://www.ioos.noaa.gov/education/welcome.html)
- **Southeast Coastal Ocean Observing Regional Association (SECOORA)** – <http://classroom.secoora.org/classroom>  
Contact: Megan Lee (Program Manager) – [mlee@secoora.org](mailto:mlee@secoora.org)

## **NOAA Center for Coastal Ocean Science (NCCOS) – Data, NOAA Scientists and Laboratories, Publications**

*\* NCCOS works directly with managers, industry, regulators, and scientists to deliver relevant, timely, and accurate scientific information and tools to assist in coastal resource management and protection of coastal communities from harmful algae, water contamination, and climate impacts.*

- **Center for Coastal Fisheries and Habitat Research (Beaufort, NC)** – <http://coastalscience.noaa.gov/about/centers/ccfhr>  
Contact: B. William Gottholm (Director) – [b.william.gottholm@noaa.gov](mailto:b.william.gottholm@noaa.gov)
- **Center for Coastal Environmental Health and Biomolecular Research (Charleston, SC)** – <http://coastalscience.noaa.gov/about/centers/ccehbr>  
Contact: Jan Carson (Management Analyst) – [jan.carson@noaa.gov](mailto:jan.carson@noaa.gov)
- **Hollings Marine Laboratory (Charleston, SC)** – <http://coastalscience.noaa.gov/about/centers/hml>  
Contact: Dr. Jeff King (Acting Director) – [jeff.king@noaa.gov](mailto:jeff.king@noaa.gov)

## **National Hurricane Center (NHC) – Educator and Student Resources, Tours, Hurricane Information and Data**

*\* The mission of the NHC is to save lives, mitigate property loss, and improve economic efficiency by issuing the best watches, warnings, forecasts, and analyses of hazardous tropical weather and by increasing understanding of these hazards.*

- **Located in Miami, FL** – <http://www.nhc.noaa.gov/outreach/>  
Contacts: Daniel Brown (Senior Hurricane Specialist/Warning Coordination Meteorologist) – [daniel.p.brown@noaa.gov](mailto:daniel.p.brown@noaa.gov) and Dennis Feltgen (Public Affairs Officer) – [dennis.feltgen@noaa.gov](mailto:dennis.feltgen@noaa.gov)

## **National Sea Grant Program – Professional Development, Curriculum, Student and Educator Resources**

*\*Sea Grant is a nationwide network of 32 university-based programs that conduct scientific research, education, training, and extension projects designed to foster science-based decisions about the use and conservation of our aquatic resources.*

- **Florida Sea Grant** – <https://www.flseagrant.org/education/>  
Contact: Michael Spranger (Associate Director for Extension and Education) - [spranger@ufl.edu](mailto:spranger@ufl.edu)
- **Georgia Sea Grant** – <http://georgiaseagrant.uga.edu/article/education/>  
Contact: Anne Lindsay (Associate Director for Marine Education) - [lindsaya@uga.edu](mailto:lindsaya@uga.edu)
- **North Carolina Sea Grant** – <http://www.ncseagrant.org/home/resource-library/marine-education> and <http://ncseagrant.ncsu.edu/scotchbonnet/>  
Contact: Terri Kirby Hathaway (Marine Education Specialist) - [terrikh@csi.northcarolina.edu](mailto:terrikh@csi.northcarolina.edu)
- **South Carolina Sea Grant** – <http://www.scseagrant.org/Education/>  
Contact: Elizabeth Vernon Bell (Marine Education Specialist) – [EV.Bell@scseagrant.org](mailto:EV.Bell@scseagrant.org)

## **National Climatic Data Center (NCDC) – Student Activities, Climate Data, Educator Resources**

*\* The NCDC is the world's largest active archive of weather data. They produce numerous climate publications and respond to data requests from all over the world.*

- **Located in Asheville, NC** - <http://www.ncdc.noaa.gov/customer-support/education-resources>  
Contact: Greg Hammer (Meteorologist) - [gregory.r.hammer@noaa.gov](mailto:gregory.r.hammer@noaa.gov)

## **Cooperative Institute for Ocean Exploration, Research, and Technology (CIOERT) – Educator Resources, Expeditions/Data**

*\* CIOERT is a cooperative institute between NOAA and several universities to explore and study the nation's ocean frontiers using innovation and cutting edge technologies.*

- **CIOERT at Florida Atlantic University (Fort Pierce, FL)** - <http://cioert.org>  
Contact: Dr. Dennis Hanisak (Director of Education) – [dhanisak@hboi.fau.edu](mailto:dhanisak@hboi.fau.edu)

## **Cooperative Institute for Marine and Atmospheric Studies (CIMAS) – Student Opportunities, Data, Laboratories**

*\* CIMAS is a cooperative institute between NOAA and several universities to bring together the research resources of the partner universities with those of NOAA in order to develop a center of excellence that is relevant to understanding the Earth's oceans and atmosphere within the context of NOAA's mission.*

- **CIMAS at the Rosenstiel School of Marine and Atmospheric Science (Miami, FL)** - <http://www.ci-mas.org/education.html>  
Contact: Isabel Diaz (Sponsored Programs Specialist) - [ldiaz@rsmas.miami.edu](mailto:ldiaz@rsmas.miami.edu)

## **Atlantic Oceanographic and Meteorological Laboratory (AOML) – Open Houses, Multimedia, Laboratories, NOAA Scientists**

*\* AOML, a federal research laboratory, is part of NOAA's Office of Oceanic and Atmospheric Research. AOML's research spans hurricanes, coastal ecosystems, oceans and human health, climate studies, global carbon systems, and ocean observations.*

- **Located in Miami, FL** - <http://www.aoml.noaa.gov/outreach/>  
Contact: Erica Rule (AOML Communications Officer) – [erica.rule@noaa.gov](mailto:erica.rule@noaa.gov)

## **National Ocean Science Bowl (NOSB) – Regional Competitions in the Ocean Sciences**

*\* The NOSB is a national high school academic competition with regional competitions for student teams to test their knowledge of the marine sciences including biology, chemistry, physics, and geology.*

- **Manatee Bowl (FL)** – <http://www.rsmas.miami.edu/outreach/student-educator/nosb/>  
Contact: Dr. Dennis Hanisak (Region Coordinator) – [dhanisak@hboi.fau.edu](mailto:dhanisak@hboi.fau.edu)
- **Spoonbill Bowl (FL)** – <http://www.marine.usf.edu/outreach/spoonbill>  
Contact: Dr. Teresa Greely (Region Coordinator) - [greely@usf.edu](mailto:greely@usf.edu)
- **Blue Heron Bowl (NC)** – <https://sites.google.com/site/blueheronbowl/>  
Contact: Janelle Fleming (Region Coordinator) - [janelle.fleming@gmail.com](mailto:janelle.fleming@gmail.com)
- **Southern Stingray Bowl (SC and GA)** - <https://southernstingraybowl.wordpress.com>  
Contact: Victoria Young (Region Co-Coordinator) – [youngv@savannahstate.edu](mailto:youngv@savannahstate.edu)

## **Centers for Ocean Science Education Excellence (COSEE) – Educator Workshops, Resources, Connect to Scientists**

*\*COSEE is a network of over 270 institutional partners with the mission to spark and nurture collaborations among research scientists and educators to advance ocean discovery and make known the vital role of the ocean in our lives. (Most information is archived)*

- **National Website** – <http://www.cosee.net/>
- **COSEE Florida (FL)** - <http://www.coseeflorida.org/educators.html>  
Contact: Laura Diederick (Informal Education Manager) - [diederick@si.edu](mailto:diederick@si.edu)
- **COSEE Southeast (SC)** – <http://www.cosee-se.org/ForEducators/>  
Contact: Elizabeth Vernon Bell (Marine Education Specialist) – [EV.Bell@scseagrant.org](mailto:EV.Bell@scseagrant.org)

## **Local NOAA Vessels – Follow Current Science in the Atlantic Ocean**

- **NOAA Teacher at Sea** (follow teacher blogs onboard the ships) - <http://teacheratsea.noaa.gov/>
- **NOAA Ship Nancy Foster (Charleston, SC)** - <http://www.moc.noaa.gov/nf/index.html>
- **NOAA Ship Ronald H. Brown (Charleston, SC)** - <http://www.moc.noaa.gov/rb/index.html>

## **Southeast Data Resources – Historical and Real-Time Data**

- NOAA Coastal County Data Snapshots – <http://coast.noaa.gov/digitalcoast/tools/snapshots>
- Tides and Currents Data – <http://tidesandcurrents.noaa.gov/gmap3/>
- Atlantic Ocean Buoy Data – <http://www.ndbc.noaa.gov/>
- Invasive Lionfish Facts/Media – <http://oceanservice.noaa.gov/education/stories/lionfish/factsheet.html>
- Southeast River Forecast Center – <http://www.srh.noaa.gov/serfc/>
- Southeast Regional Climate Data – <http://www.sercc.com>
- US Drought Monitor – <http://www.droughtmonitor.unl.edu/>
- National Hurricane Center Data Archive – <http://www.nhc.noaa.gov/data/>
- Ocean Prediction Center (Atlantic) - [http://www.opc.ncep.noaa.gov/Atl\\_tab.shtml](http://www.opc.ncep.noaa.gov/Atl_tab.shtml)

## **Local Weather Events – Local Historical Weather Data**

- Hurricane Floyd – <http://www.erh.noaa.gov/mhx/Floyd/>
- Extreme Weather Events (Columbia, SC) – <http://www.erh.noaa.gov/cae/EventArchive.php>
- Significant Weather Event Archive (Charleston/Savannah) – <http://www.weather.gov/chs/events>
- Significant Weather Event Archive (Jacksonville) - <http://www.srh.noaa.gov/jax/?n=surveys>
- Southern Florida Past Event Gallery - [http://www.srh.noaa.gov/mfl/?n=events\\_index](http://www.srh.noaa.gov/mfl/?n=events_index)
- Eastern Florida Storm Summaries and Damage - <http://www.srh.noaa.gov/mlb/?n=surveys>
- Today in Local Weather History (Charleston/Savannah) - <http://www.weather.gov/chs/todayinwxhistory>

## **NOAA Science On a Sphere® (SOS) Locations – Earth Systems Data Shown on a 6-foot Globe**

*\* SOS is a room-sized, global display system that uses computers and video projectors to display planetary data onto a six foot diameter sphere, analogous to a giant animated globe. It was developed by researchers at NOAA to help illustrate complex environmental processes (atmospheric storms, ocean currents, climate change, etc...) in a captivating way.*

- Galaxy E<sup>3</sup> Elementary School (Delray Beach, FL) - [http://www.edline.net/pages/Galaxy\\_ES](http://www.edline.net/pages/Galaxy_ES)
- Orlando Science Center (Orlando, FL) – <http://www.osc.org/>
- Astronaut Hall of Fame (Titusville, FL) – <http://www.kennedyspacecenter.com/astronaut-hall-of-fame.aspx>
- South Florida Science Museum (West Palm Beach, FL) - <http://www.sfsm.org>
- North Carolina Aquarium at Roanoke Island (Manteo, NC) – <http://www.ncaquariums.com/roanoke-island>
- Imagination Station Science and History Museum (Wilson, NC) - <http://scienceandhistory.org/home>